

**TETRA TECH**

March 24, 2022

Ms. Shari Kolak
Task Order Contracting Officer's Representative
U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, IL 60604-3507

Subject: Quality Assurance Project Plan (Revision 1)
Worksheet #18 Addendum
East Troy Contaminated Aquifer Site, Troy, Miami County, Ohio
DES Contract 68HE0318D0014
Task Order 68HE0521F0054

Dear Ms. Kolak:

Tetra Tech, Inc. prepared the enclosed addendum to Worksheet #18 of the above-referenced quality assurance project plan (QAPP) for the East Troy Contaminated Aquifer (ETCA) Superfund site, in Troy, Miami County, Ohio. The QAPP was prepared under the U.S. Environmental Protection Agency (EPA) CLIN2 Contract for Region 5, Contract No. 68HE0318D0014, Task Order (TO) No. 68HE0521F0054. The Worksheet #18 addendum pertains to additional soil sampling to be conducted as part of the East Water Street predesign investigation.

If you have any questions about this submittal, please call me at (312) 201-7748.

Sincerely,

Ray Mastrodonardo, PG
Project Manager

Enclosure

cc: Shelia Dolan, EPA Task Order Contracting Officer
 Natalie Topp, EPA Contract Specialist
 Linda Martin, EPA Project Officer
 Michelle Kerr, EPA Superfund Quality Assurance Branch
 Mindy Gould, Tetra Tech, Inc. Regional Coordinator

ENCLOSURE

QAPP WORKSHEET #18 ADDENDUM

Sampling Locations and Methods

Tetra Tech conducted pre-design investigation (PDI) soil sampling at the East Water Street soil source area (Hobart property), as described in Revision 1 of the quality assurance project plan (QAPP) (Tetra Tech 2021). Results of the sampling event indicated that soil samples collected at some locations on the edges of the sampling grid exceeded site cleanup levels established in the Record of Decision. Therefore, the objective of additional sampling is to gather information needed to further refine the estimated volume of soil to be excavated at two specific areas. This worksheet addendum identifies the location of additional samples to be collected during the PDI. The *only* change to the EPA-approved QAPP is that additional samples will be collected. Figure A-1 of this addendum shows the modified sampling grids and newly proposed soil boring locations (green borings). The 2021 QAPP provides complete details regarding sampling and analysis methods and procedures. A brief summary of additional sampling activities is provided below.

Before soil sampling, Tetra Tech will mark soil boring locations in the field with stakes, pin flags, or paint and the driller will contact the Ohio Utility Protection Service (OUPS) to check for the presence of public utilities. Additionally, Tetra Tech will use a private utility locating service to confirm that areas proposed for drilling activities are free of utilities. The driller will advance each boring using a direct-push (Geoprobe) rig and Tetra Tech will continuously log each boring from the ground surface to the water table. Tetra Tech will visually inspect soil cores and collect soil samples at four depths for laboratory analysis of tetrachloroethene (PCE) and trichloroethene (TCE). The field team will ship samples daily to the EPA Regional Laboratory or a Contract Laboratory Program (CLP) laboratory for analysis using EPA Method 5035 and 8260 equivalent methods. At each location, soil samples will be collected at 0-2 feet, 4-6 feet, 8-10 feet, and 12-14 feet below ground surface (bgs) using dedicated or disposable equipment. The general sample identification scheme is as follows:

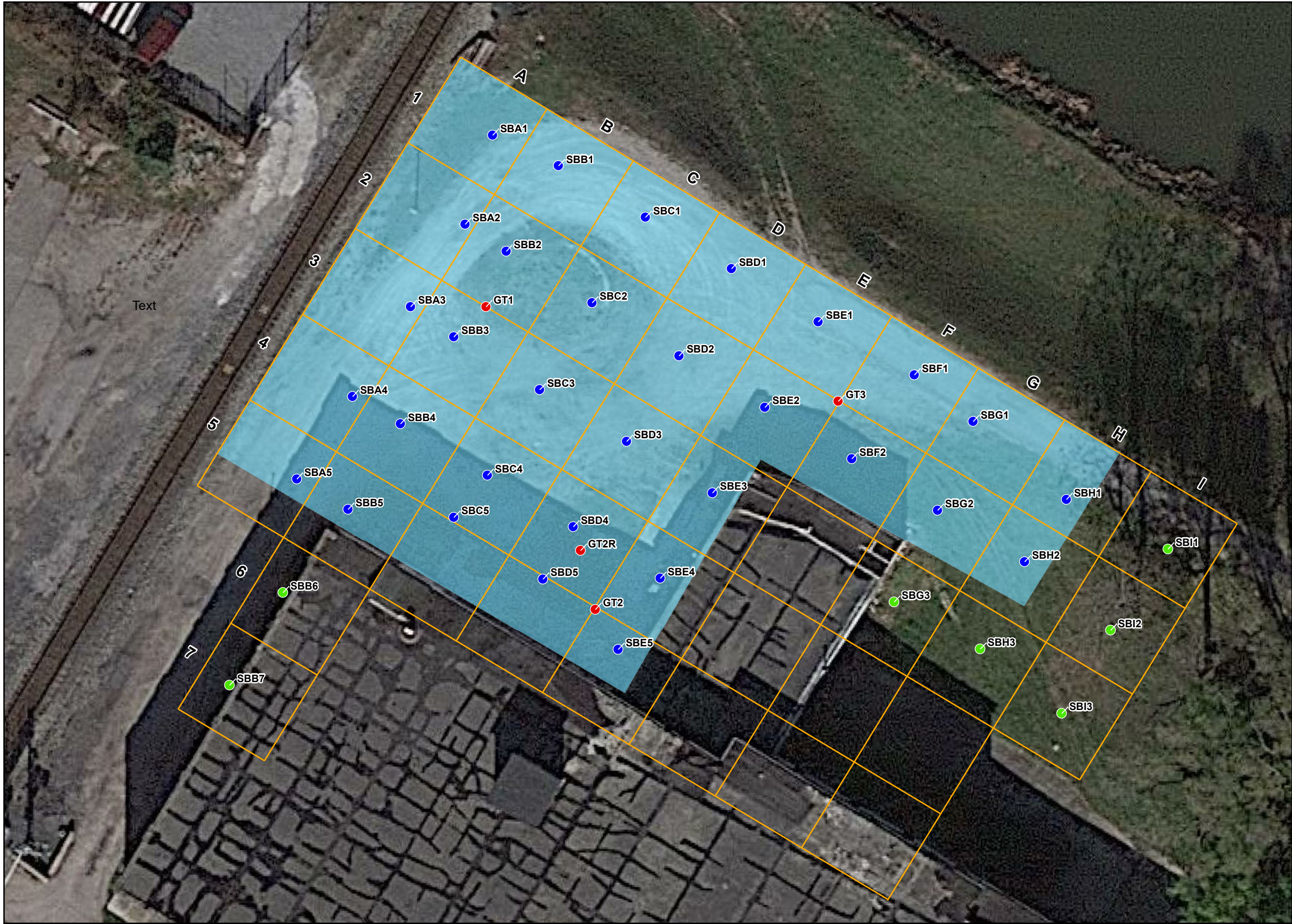
Site Name	Matrix	Sample Number/Location	Sample Depth or Interval (Feet)	Example Identification
ETCA	Soil – S	Grid location (ex. G3)	0-2	ETCA-G3-02-MMDDYY*
	Soil – S	Grid location (ex. G3 field duplicate)	0-2	ETCA-G3-02D-MMDDYY*
	Soil – S	Grid location (ex. G3 matrix spike/matrix spike duplicate)	0-2	ETCA-G3-02MS/MSD-MMDDYY*

Notes:

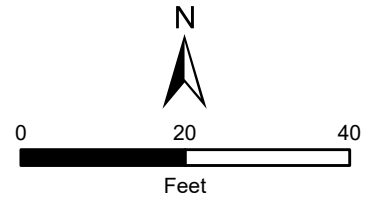
* Month/Day/Year format (ex. 042022 = April 4, 2022)

REFERENCE

Tetra Tech. 2021. *Quality Assurance Project Plan, Revision 1, East Troy Contaminated Aquifer Site, Troy, Miami County, Ohio*. September 9.



- Legend**
- Additional Soil Sampling Locations
 - Soil Sampling Locations for Tetrachloroethene and Trichloroethene Analysis
 - Soil Sampling Locations for Waster Characterization and Geotechnical Analyses
 - 25' x 25' Grid
 - Estimated Area of Geophysical Survey



EAST TROY CONTAMINATED
AQUIFER SITE
TROY, OHIO

FIGURE A-1
PREDESIGN INVESTIGATION
SAMPLING LOCATIONS

